
Subject: Re: How do I use WIndows Message pump timer?

Posted by [mirek](#) on Thu, 18 May 2006 03:20:39 GMT

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jeff1101 wrote on Wed, 17 May 2006 22:01 Sorry if this topic should not be here.

I have reused CounterCtrl. How do I write the code to set a timer that will trigger a callback function at the appropriate time ?

I dont want to start a new thread just to do this. I do want the message pump of windows to call the callback function when the timer is set.

Thanks.

```
void *SetTimeCallback(int delay_ms, Callback cb, void *id = NULL); // delay_ms < 0 -> periodic
void KillTimeCallback(void *id);
bool ExistsTimeCallback(void *id);
dword GetTimeClick();

inline
void PostCallback(Callback cb, void *id = NULL)           { SetTimeCallback(1, cb, NULL); }

class TimeCallback
{
public:
~TimeCallback()           { Kill(); }

void Set(int delay, Callback cb)  { ::SetTimeCallback(delay, cb, this); }
void Kill()                 { ::KillTimeCallback(this); }
void KillSet(int delay, Callback cb) { Kill(); Set(delay, cb); }
};

.....
class Ctrl {
.....
void SetTimeCallback(int delay_ms, Callback cb, int id = 0);
void KillTimeCallback(int id = 0);
void KillSetTimeCallback(int delay_ms, Callback cb, int id);
bool ExistsTimeCallback(int id = 0) const;
void PostCallback(Callback cb, int id = 0);
void KillPostCallback(Callback cb, int id);
.....
};
```

